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P/633-17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jorg WITTE et al.

Date: July 12, 2004

Serial No.: 10/643,027

Group Art Unit: 3742

Filed: August 18, 2003

Examiner: --

For: METHOD FOR PRODUCING PERMANENT INTEGRAL CONNECTIONS OF
OXIDE-DISPERSED (ODS) METALLIC MATERIALS OR COMPONENTS OF
OXIDE-DISPERSED (ODS) METALLIC MATERIALS BY WELDING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBMISSION

Sir:

Submitted herewith is a copy of an Office Action issued by the German Patent Office and the cited art.

The concise explanation of the non-English language reference, Klaus-Jürgen Matthes et al., "Schweißtechnik: Schweißen metallischer Konstruktionswerkstoffe," Fachbuchverlag Leipzig, pp. 420-425, is as follows.

The reference is listed as general background art only in the German Office Action. The method of diffusion welding is addressed in subsection 11.2.1 of said document. Therein, diffusion welding is referred to as one step process in which sufficient heat and pressure is applied at the same time until after several minutes or several hours atoms of the interfaces of the two parts to be connected have exchanged their places. No two separated process steps are

disclosed in which a first diffusion bond is achieved by heating the materials followed by a second step, namely the mechanically recompacting of said diffusion bond.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 12, 2004:

Robert C. Faber

Name of applicant, assignee or
Registered Representative

Robert C. Faber

Signature

July 12, 2004

Date of Signature

Respectfully submitted,

Robert C. Faber

Robert C. Faber

Registration No.: 24,322

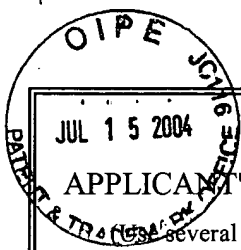
OSTROLENK, FABER, GERB & SOFFEN, LLP

1180 Avenue of the Americas

New York, NY 10036-8403

Telephone No.: (212) 382-0700

RCF:lac



APPLICANT'S ART CITATION (Use several sheets if necessary)	Application 10/643,027	OFGS File No. P/633-17
	Applicant Jorg WITTE et al.	
	Filing Date August 18, 2003	Group Art Unit 3742

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate
	US-5,009,359	04-1991	Stover et al.	228	175	
	US-5,094,699	03-1992	Feichtinger et al.	148	12.1	
	US-					
	US-					
	US-					
	US-					
	US-					
	US-					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation	
						Yes	No
	DE 39 15 702	11-1990	Germany (corresponds to U.S. '359 Patent above)			X (Abst.)	
	DE 39 04 776	08-1990	Germany (corresponds to U.S. '699 Patent above)			X (Abst.)	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	Klaus-Jürgen Matthes et al., "Schweißtechnik: Schweißen metallischer Konstruktionswerkstoffe," Fachbuchverlag Leipzig, pp. 420-425.

Examiner	Date Considered
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.